

ABSTRACT OF THE DISCLOSURE

A DC/DC converter enabling an increase in frequency.
The DC/DC converter includes a main transistor, a
5 synchronization transistor, a control circuit, which
controls the main transistor and the synchronization
transistor, and a capacitor, which is charged to generate
gate voltage for the main transistor. The control circuit
includes a charging time setting circuit for setting the
10 activation time of the main transistor and the
synchronization transistor.